

AMENDMENTS TO THE CLAIMS

Please amend claims 1, 6-23, 25-28, 30, 31, 36-53, 55-58, and 60; and, add new claims 61-66. This listing of claims will replace all prior versions and listings of the claims in this application.

CLAIMS

What is claimed is:

- 1 1. (Currently Amended) A robot system, comprising:
2 a ~~mobile~~ robot that has a camera and a monitor;
3 a first remote station that can access said ~~mobile~~ robot; and,
4 a second remote station that can access said robot and includes an arbitrator that can
5 control access to said ~~mobile~~ robot by said first and second remote stations.
- 1 2. (Original) The system of claim 1, wherein said arbitrator includes a notification
2 mechanism.
- 1 3. (Original) The system of claim 1, wherein said arbitrator includes a timeout
2 mechanism.
- 1 4. (Original) The system of claim 1, wherein said arbitrator includes a queue
2 mechanism.

1 5. (Original) The system of claim 1, wherein said arbitrator includes a call back
2 mechanism.

1 6. (Currently Amended) The system of claim 1, wherein said second remote station
2 can access said ~~mobile~~ robot, and said first and second remote stations each have a priority and
3 said arbitrator provides robot access to said remote station with a highest priority.

1 7. (Currently Amended) The system of claim 6, wherein said remote stations may
2 be given priority as a local user, a doctor, a caregiver, a family member, or a service user ~~of~~
3 ~~another mobile robot.~~

1 8. (Currently Amended) The system of claim 1, wherein said ~~mobile~~ robot operates
2 in either an exclusive mode or a sharing mode.

1 9. (Currently Amended) The system of claim 1, wherein said first remote station
2 transmits a communication for said ~~mobile~~ robot that is initially transmitted to said second
3 remote station.

1 10. (Currently Amended) The system of claim 1, wherein said first remote station
2 sends a communication for said ~~mobile~~ robot that is initially transmitted to said ~~mobile~~ robot.

1 11. (Currently Amended) A robot system, comprising:
2 a ~~mobile~~ robot that has a camera and a monitor;
3 a first remote station that can access said ~~mobile~~ robot; and,

4 a second remote station that can access said robot and includes arbitration means for
5 controlling access to said ~~mobile~~ robot by said first and second remote stations.

1 12. (Currently Amended) The system of claim 11, wherein said arbitrator means
2 includes notification means for notifying said first remote station that said second remote station
3 is requesting access to said ~~mobile~~ robot.

1 13. (Currently Amended) The system of claim 11, wherein said arbitrator means
2 includes timeout means that creates a time interval in which one of said remote stations must
3 relinquish access to said ~~mobile~~ robot.

1 14. (Currently Amended) The system of claim 11, wherein said arbitrator means
2 includes queue means for establishing a waiting list of remote stations seeking access to said
3 ~~mobile~~ robot.

1 15. (Currently Amended) The system of claim 11, wherein said arbitrator means
2 includes call back means for providing a message to one of said remote stations that said ~~mobile~~
3 robot can be accessed.

1 16. (Currently Amended) The system of claim 11, wherein said second remote
2 station can access said ~~mobile~~ robot, and said first and second remote stations each have a
3 priority and said arbitrator means provides robot access to said remote station with a highest
4 priority.

1 17. (Currently Amended) The system of claim 16, wherein said remote stations may
2 be given priority as a local user, a doctor, a caregiver, a family member, or a service user ~~or~~
3 ~~another mobile robot~~.

1 18. (Currently Amended) The system of claim 11, wherein said ~~mobile~~ robot
2 operates in either an exclusive mode or a sharing mode.

1 19. (Currently Amended) The system of claim 11, wherein said first remote station
2 transmits a communication for said ~~mobile~~ robot that is initially transmitted to said second
3 remote station.

1 20. (Currently Amended) The system of claim 11, wherein said first remote station
2 sends a communication for said ~~mobile~~ robot that is initially transmitted to said ~~mobile~~ robot.

1 21. (Currently Amended) A method for controlling access to a remote controlled
2 robot, comprising:
3 transmitting a request to access a ~~mobile~~ robot from a first remote station;
4 determining whether the first remote station should have access to the ~~mobile~~ robot at a
5 second remote station that can access the robot;
6 allowing access to the ~~mobile~~ robot; and,
7 transmitting video images between the robot and the first remote station.

1 22. (Currently Amended) The method of claim 21, further comprising requesting
2 access to the ~~mobile~~ robot from the second remote station and notifying the first remote station of
3 the request.

1 23. (Currently Amended) The method of claim 22, wherein the second remote
2 station creates a time interval in which the first remote station must relinquish access to the
3 ~~mobile-robot~~.

1 24. (Original) The method of claim 22, wherein the request from the second remote
2 station is placed in a waiting list queue.

1 25. (Currently Amended) The method of claim 21, further comprising transmitting a
2 call back message from the second remote station to the first remote station to indicate the
3 granting of access to the ~~mobile~~ robot.

1 26. (Currently Amended) The method of claim 21, wherein the access request
2 includes a priority that is evaluated by the second remote station to determine access to the
3 ~~mobile~~ robot.

1 27. (Currently Amended) The method of claim 26, wherein the remote stations may
2 be given priority as a local user, a doctor, a caregiver, a family member, or a service user ~~or~~
3 ~~another mobile robot~~.

1 28. (Currently Amended) The method of claim 25, wherein the ~~mobile~~ robot
2 operates in either an exclusive mode or a sharing mode.

1 29. (Original) The method of claim 25, wherein the access request is initially
2 transmitted to the second remote station.

1 30. (Currently Amended) The method of claim 25, wherein the access request is
2 initially transmitted to the ~~mobile~~ robot.

1 31. (Currently Amended) A robot system, comprising:
2 a broadband network;
3 a ~~mobile~~ robot that is coupled to said broadband network, and has a camera and a
4 monitor;
5 a first remote station that can access said ~~mobile~~ robot through said broadband network;
6 and,
7 a second remote station that can access said robot and includes an arbitrator that can
8 control access to said ~~mobile~~ robot by said first and second remote stations.

1 32. (Original) The system of claim 31, wherein said arbitrator includes a notification
2 mechanism.

1 33. (Original) The system of claim 31, wherein said arbitrator includes a timeout
2 mechanism.

1 34. (Original) The system of claim 31, wherein said arbitrator includes a queue
2 mechanism.

1 35. (Original) The system of claim 31, wherein said arbitrator includes a call back
2 mechanism.

1 36. (Currently Amended) The system of claim 31, wherein said second remote
2 station can access said ~~mobile~~ robot, and said first and second remote stations each have a
3 priority and said arbitrator provides robot access to said remote station with a highest priority.

1 37. (Currently Amended) The system of claim 36, wherein said remote stations may
2 be given priority as a local user, a doctor, a caregiver, a family member, or a service user ~~or~~
3 ~~another mobile robot.~~

1 38. (Currently Amended) The system of claim 31, wherein said ~~mobile~~ robot
2 operates in either an exclusive mode or a sharing mode.

1 39. (Currently Amended) The system of claim 31, wherein said first remote station
2 transmits a communication for the ~~mobile~~ robot that is initially transmitted to said second remote
3 station.

1 40. (Currently Amended) The system of claim 31, wherein said first remote station
2 sends a communication for said ~~mobile~~ robot that is initially transmitted to said ~~mobile~~ robot.

1 41. (Currently Amended) A robot system, comprising:
2 a broadband network;
3 a ~~mobile~~ robot that is coupled to said broadband network, and has a camera and a
4 monitor;

5 a first remote station that can access said ~~mobile~~ robot through said broadband network;
6 and,
7 a second remote station that can access said robot and includes arbitration means for
8 controlling access to said robot by said first and second remote stations.

1 42. (Currently Amended) The system of claim 41, wherein said arbitrator means
2 includes notification means for notifying said first remote station that said second remote station
3 is requesting access to said ~~mobile~~ robot.

1 43. (Currently Amended) The system of claim 41, wherein said arbitrator means
2 includes timeout means that creates a time interval in which one of said remote stations must
3 relinquish access to said ~~mobile~~ robot.

1 44. (Currently Amended) The system of claim 41, wherein said arbitrator means
2 includes queue means for establishing waiting list of remote stations seeking access to said
3 ~~mobile~~ robot.

1 45. (Currently Amended) The system of claim 41, wherein said arbitrator means
2 includes call back means for providing a message to one of said remote stations that said ~~mobile~~
3 robot can be accessed.

1 46. (Currently Amended) The system of claim 41, wherein said second remote
2 station can access said ~~mobile~~ robot, and said first and second remote stations each have a
3 priority and said arbitrator means provides robot access to said remote station with a highest
4 priority.

1 47. (Currently Amended) The system of claim 46, wherein said remote stations may
2 be given priority as a local user, a doctor, a caregiver, a family member, or a service user ~~or~~
3 ~~another mobile robot.~~

1 48. (Currently Amended) The system of claim 41, wherein said ~~mobile~~ robot
2 operates in either an exclusive mode or a sharing mode.

1 49. (Currently Amended) The system of claim 41, wherein said first remote station
2 transmits a communication for said ~~mobile~~ robot that is initially transmitted to said second
3 remote station.

1 50. (Currently Amended) The system of claim 41, wherein said first remote station
2 sends a communication for said ~~mobile~~ robot that is initially transmitted to said ~~mobile~~ robot.

1 51. (Currently Amended) A method for controlling access to a remote controlled
2 robot, comprising:

3 transmitting a request to access a ~~mobile~~ robot from a first remote station through a
4 broadband network;

5 determining whether the first remote station should have access to the ~~mobile~~ robot at a
6 second remote station that can access the robot;

7 allowing access to the ~~mobile~~ robot through the broadband network; and,

8 transmitting video images between the robot and the first remote station between the
9 broadband network.

1 52. (Currently Amended) The method of claim 51, further comprising requesting
2 access to the ~~mobile~~ robot from the second remote station and notifying the first remote station of
3 the request.

1 53. (Currently Amended) The method of claim 52, wherein the second remote
2 station creates a time interval in which the first remote station must relinquish access to the
3 ~~mobile~~ robot.

1 54. (Original) The method of claim 52, wherein the request from the second remote
2 station is placed in a waiting list queue.

1 55. (Currently Amended) The method of claim 51, further comprising transmitting a
2 call back message from the second remote station to the first remote station to indicate the
3 granting of access to the ~~mobile~~ robot.

1 56. (Currently Amended) The method of claim 51, wherein the access request
2 includes a priority that is evaluated by the second remote station to determine access to the
3 ~~mobile~~ robot.

1 57. (Currently Amended) The method of claim 56, wherein the remote stations may
2 be given priority as a local user, a doctor, a caregiver, a family member, or a service user ~~or~~
3 ~~another mobile robot~~.

1 58. (Currently Amended) The method of claim 51, wherein the ~~mobile~~ robot
2 operates in either an exclusive mode or a sharing mode.

1 59. (Original) The method of claim 51, wherein the access request is initially
2 transmitted to the second remote station.

1 60. (Currently Amended) The method of claim 51, wherein the access request is
2 initially transmitted to the ~~mobile~~ robot.

1 61. (New) The method of claim 1, wherein the robot is mobile.

1 62. (New) The system of claim 11, wherein said robot is mobile.

1 63. (New) The system of claim 21, wherein said robot is mobile.

1 64. (New) The system of claim 31, wherein said robot is mobile.

1 65. (New) The system of claim 41, wherein said robot is mobile.

1 66. (New) The method of claim 51, wherein the robot is mobile.